*Informe de Laboratorio 3:*  
Modelo Diferencial de Primer Orden

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# Introducción

Este documento presenta la implementación de la teoría de la planeación y ejecución de una ruta y trayectoria para el efector final de un manipulador industrial, el robot de KUKA con referencia KR 340 R3330. El proceso incluye el análisis de la geometría y ubicación de la ruta propuesta en el espacio de trabajo, así como la verificación de que las tramas de cada punto de esta ruta se ubiquen dentro del espacio diestro del manipulador. Se completa además el análisis con la programación y simulación de este procedimiento en MATLAB usando los *toolboxes* de análisis de sistemas robóticos RST y RVC.

# Ruta

## Selección de la ruta

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*a**b* 

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##### References

1. J. Clerk Maxwell, A Treatise on Electricity and Magnetism, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.

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